Sequence Listing

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 PRESTA, L.G.

<120> METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

<130> P1099C1 a

<140> US 09/373,403

<141> 1999-08-12

<150> US 08/850,058

<151> 1997-05-02

<160> 26

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 ctcttcccga gatgggggac aggtgtacac 30
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gggaggcgtg gtgctgtagt tgtt 24
<210> 12
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gttcaggtgc tgggctcggt gggcttgtgt gagttttg 38
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Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
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Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

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Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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Lys Leu Thr Val Leu
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 Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
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   1
 Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
                                       25
                                                           30
                  20
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Lys Leu Thr Val Leu
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 Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
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 Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
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                                       25
                  20
 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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                  35
Lys Leu Thr Val Leu
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<213> Artificial sequence

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 Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
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                                       25
                                                            30
 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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                                       40
                  35
 Lys Leu Thr Val Leu
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                                       10
   1
                   5
 Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
                  20
                                       25
                                                            30
 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
                                       40
                                                            45
                  35
 Lys Leu Thr Val Leu
                  50
<210> 19
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<400> 19
 Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Ser Thr Ala Ser Leu
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 Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
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25

20

30

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Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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                  35
Lys Leu Thr Val Leu
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<221> Unsure
<222> 9
<223> Unknown amino acid
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                                       10
   1
Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
                                       25
                                                           30
                  20
 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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                                       40
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Lys Leu Thr Val Leu
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Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
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                                       10
   1
Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
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                                       25
                  20
Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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                                       40
                  35
Lys Leu Thr Val Leu
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50

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<210> 22
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Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
                                       25
                                                            30
                  20
 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Thr
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Lys Leu Thr Val Leu
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<210> 23
<211> 62
<212> PRT
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Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
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                                                            15
   1
Lys Asn Thr Leu Tyr Leu Gln Met Asn Arg Leu Arg Ala Glu Asp
                  20
 Thr Ala Val Tyr Tyr Cys Ala Arg Asp Asn Gly Trp Glu Leu Thr
                                                            45
                                       40
                  35
Asp Trp Tyr Phe Asp Leu Trp Gly Arg Gly Thr Met Val Thr Val
                                                            60
                                       55
                  50
 Ser Ser
<210> 24
<211> 62
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<223> Recombinant

<400> 24 Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser 10 1 Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp 25 20

Thr Ala Val Tyr Tyr Cys Ala Arg Val Asp Leu Glu Asp Tyr Gly 45 35

15

30

Ser Gly Ala Ser Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val 60 55 50

Ser Ser

<210> 25

<211> 107

<212> PRT

<213> Artificial sequence

<220>

<223> Recombinant

<400> 25

Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile 15 10 5 1

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Gly Ile Tyr 25 30 20

His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 40 45 35

Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro Ser 55 60 50

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile 75 70 65

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln 90 85 80

Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu 105 95 100

Ile Lys

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<211> 261

<212> PRT

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<213> Artificial sequence

Leu	Asp	Ser	Asp	Gly 215	Ser	Phe	Phe	Leu	Tyr 220	Ser	Phe	Leu	Thr	Val 225
Asp	Lys	Ser	Arg	Trp 230	Gln	Gln	Gly	Asn	Val 235	Phe	Ser	Cys	Ser	Val 240
Met	His	Glu	Ala	Leu 245	His	Asn	His	Tyr	Thr 250	Gln	Lys	Ser	Leu	Ser 255
Leu	Ser	Pro	Gly	Lys 260	Xaa									